

City Of Hickman

For January 1 to December 31, 2010 Annual Water Quality Report

by the City Of Hickman water system to provide safe drinking water. information about your drinking water and the efforts made This report is intended to provide you with important

Para Clientes Que Hablan Español:

agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien. Este informe contiene información muy importante sobre el

For more information regarding this report, contact

402-792-2212 Bob Lovorn

the meeting of the Village Board/City Council would like to participate in the process, please contact the scheduled meeting of the Village Board/City Council. If you that affect drinking water quality, please attend the regularly If you would like to observe the decision-making processes /illage/City Clerk to arrange to be placed on the agenda of

necessarily indicate that water poses a health risk. More Drinking water, including bottled water, may reasonably be can be obtained by calling the EPA's Safe Drinking Water information about contaminants and potential health effects contaminants. The presence of contaminants does not expected to contain at least small amounts of some Hotline (800-426-4791)

Source Water Assessment Availability:

potential contaminant source inventory, vulnerability rating the assessment is a Wellhead Protection Area map, the person named on the cover of this report or NDEQ at and source water protection information. To view the Source has completed the Source Water Assessment. Included in Water Assessment or for more information please contact The Nebraska Department of Environmental Quality (NDEQ)

> water which must provide the same protection for public FDA regulations establish limits for contaminants in bottled prescribes regulations which limit the amount of certain contaminants in water provided by public water systems In order to ensure that tap water is safe to drink, EPA

Sources of Drinking Water:

material, and can pick up substances resulting from the surface of the land or through the ground, it dissolves springs, and groundwater wells. As water travels over the water) include rivers, lakes, streams, ponds, reservoirs, presence of animals or from human activity. naturally-occurring minerals and, in some cases, radioactive The sources of drinking water (both tap water and bottled

The source of water used by City Of Hickman is ground

Contaminants that may be present in source water include:

- systems, agricultural livestock operations and wildlife. which may come from sewage treatment plants, septic Microbial contaminants, such as viruses and bacteria,
- can be naturally occurring or result from urban storm water gas production, mining, or farming runoff, industrial, or domestic wastewater discharges, oil and Inorganic contaminants, such as salts and metals, which
- of sources such as agriculture, urban storm water runoff, and residential uses. Pesticides and herbicides, which may come from a variety
- systems. come from gas stations, urban storm water runoff, and septic volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also Organic chemical contaminants, including synthetic and
- mining activities. occurring or be the result of oil and gas production and Radioactive contaminants, which can be naturally-

Drinking Water Health Notes:

EPA/CDC guidelines on appropriate means to lessen the system disorders, some elderly, and infants can be Hotline (800-426-4791). contaminants are available from the Safe Drinking Water risk of intection by Cryptosporidium and other microbial advice about drinking water from their health care providers. particularly at risk from infections. These people should seek organ transplants, people with HIV/AIDS or other immune undergoing chemotherapy, persons who have undergone compromised persons such as persons with cancer drinking water than the general population. Immuno-Some people may be more vulnerable to contaminants in

in your home's plumbing. If you are concerned about other homes in the community as a result of materials used possible that lead levels at your home may be higher than at lead in drinking water than the general population. It is Infants and young children are typically more vulnerable to

> Drinking Water Hotline (800-426-4791) or the Department of was idle. Additional information is available from the Safe any lead that may have leached into the water while the line 2 minutes before using your tap water will clear the line of elevated lead levels in your home's water, you may wish to of Drinking Water (402-471-2541). have your water tested. Flushing your tap for 30 seconds to Health and Human Services/Division of Public Health/Office

Barium, Beryllium, Cadmium, Chromium, Copper, Cyanide, Fluoride, Lead, Mercury, Nicket, Nitrate, Nitrite, Selenium, Sodium, Thallium, Chloromethane, Bromomethane, 1,2,3-Trichloropropane, 1,1,1,2 Bromodichloromethane, Chlorodibromomethane, Bromoform, Chlorobenzene, m-Dichlorobenzene, 1,1-Dichloropropene, 1,1-Dichloroethylene, Trans-1,2-Dichloroethylene, Dichloromethane, 1,2-Benzene, Carbon Tetrachloride, o-Dichlorobenzene, Para-Polychlorinated biphenyls, Simazine, Toxaphene, Dioxin, Silvex, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, dibromide, Glyphosate, Heptachlor, Heptachlor, epoxide, ethylhexyl)phthalate, Diquat, 2,4-D, Endothall, Endrin, Ethylene Di(2-ethylhexyl)adipate, Dibromochloropropane, Dinoseb, Di(2-Alachlor, Atrazine, Benzo(a)pyrene, Carbofuran, Chlordane, Dalapon, contaminants: Coliform Bacteria, Antimony, Arsenic, Asbestos, The City Of Hickman is required to test for the following Dichloroethane, 1,1,2,2-Tetrachlorethane, 1,2-Dichloropropane Toluene, Xylenes (total), Gross Alpha (minus Uranium & Radium 226), Radium 226 plus Radium 228, Sulfate, Chloroform, Dichlorobenzene, 1,2-Dichlorethane, 1,1-Dichloroethylene, Cis-1,2,-Methoxychlor, Oxamyl (Vydate), Pentachtorophenol, Pictoram, Hydroxycarbofuran, Methomyl, Metolachlor, Metribuzin, Propachlor Chlorotoluene, p-Chlorotoluene, Bromobenzene, 1,3rrichloroethylene, Vinyl Chloride, Styrene, Tetrachloroethylene, Dichloropropane, Ethylbenzene, Monochlorobenzene, 1,2,4-Dichloropropene, Aldrin, Butachlor, Carbaryl, Dicamba, Dieldrin, 3-Tetrachloroethane, Chloroethane, 2,2-Dichloropropane, orichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane,

once per year because the concentrations of these contaminants do not change frequently. Therefore, some of this data may be more Note: The state requires monitoring of certain contaminants less than than one year old.

contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or system must follow. exceeded triggers treatment or other requirements which a water expected risk to health. MCLGs allow for a margin of safety. AL MCL (Maximum Contaminant Level): The highest level of a Action Level): The concentration of a contaminant which, if

ug/l: micrograms per liter ppm: parts per million parts per trillion

ppb: parts per billion (Measurement of Radioactivity) pCi/l: picoCuries per liter

City Of Hickman		TEST RESULTS		Date Printed: 6/23/2011	NE3140047
Microbiological	Limbont Man of Death to O	The state of the s			1100110011
mici opiological	rightest No. of Positive Samples	35	MCLG	MCLG Likely Source Of Contamination Violations Present	Violations Present
COLIEDEM (TOD)	In the month of December, 1	MCL: Systems that Collect Less Than 40 Samples	,		
	sample(e) were positive	nor Month No man than 4 manifest and the	0	Naturally present in the environment No	Ž
	calliple(s) were positive				•

						- Anna -	The state of the s
Lead and Copper	Monitoring Period	90th Percentile Range	Range	Unit	AL	Sites Over AL	Likely Source Of Contamination
COPPER, FREE	2008 - 2010	0.739	0.0307 - 0.9	mdd	1.3	0	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing.
LEAD	2008 - 2010 5.7	5.7	1.34 - 8.11	qdd	15	0	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing.

Regulated Contaminants	Collection Highest Date Value	Highest Value	Range	Unit	MCL	MCLG	MCL MCLG Likely Source Of Contamination
ARSENIC	04/10/2008	2.52	2.25 - 2.52	qdd	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
BARIUM	10/14/2008 0.121	0.121	0.121	шdd	2	2	Discharge from drilling wastes; Discharge from metal refineries: Erosion of natural denosits
CHROMIUM	10/14/2008 9.21	9.21	9.21	qdd	100	100	Discharge from steel and pulp mills: Erosion of natural denosits
FLUORIDE	10/14/2008 0.29	0.29	0.29	mdd	4	4	Erosion of natural deposits; water additive which promotes strong teeth. Fertilizer discharge
NITRATE-NITRITE	01/25/2010 4.32	4.32	3.37 - 4.32	mdd	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage: Ensign of natural denosits
SELENIUM	10/14/2008 32.3	32.3	32.3	qdd	50	50	Erosion of natural deposits

	7/1/2009 -						
11.1.1.	6/30/2010	3.02	3.62	od d	 08	-	By-product of drinking water disinfection.
							The state of the s
		1 11					Topic Control

Likely Source Of Contamination

MCLG

짇

Z C

Range

Highest RAA

Monitoring Period

Disinfection Byproducts

							The state of the s
Radiological Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCL MCLG	Likely Source Of Contamination
COMBINED RADIUM (-226 & -228)	10/09/2006	2.4	1-2.4	pCi/I	2	0	Erosion of natural deposits
COMBINED URANIUM	05/31/2006	1.3	1.3	l/gri	20	0	Erosion of natural deposits
GROSS ALPHA, EXCL. RADON & U	05/31/2006	3.1	3.1	pCi/I	15	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	08/02/2007	6.8	3.6 - 6.8	pCi/I	15	0	Erosion of natural deposits
RADIUM-226	10/09/2006	1.2	1.2	pCi/l	5	0	Erosion of natural deposits
RADIUM-228	10/09/2006	1.5	1-1.5	pCi/l	2	0	Erosion of natural deposits
RADON	05/31/2006	307	307	bCi/l			The state of the s
				The state of the s		-	

Unregulated Water Quality Data	Collection Date	Highest Value	Range	Unit	Secondary MCL	
NICKEL	04/13/2009	0.00733	0.0053 - 0.00733	ma/l	0.1	
SULFATE	04/13/2009	29	29 - 99	mg/l	250	

Analyte During the 2010 calendar year, we had the below noted violation(s) of drinking water regulations.

Type

No Violations Occurred in the Calendar Year of 2010

Compliance Period

Additional Required Health Effects Language:

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other potentially harmful bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.